

A comparator 172 compares the value held in an RPT\_B register 171 with the address of the instruction which is held in an IA register 181 and is to be fetched next, and outputs coincidence information indicating whether these value coincide with each other. Based on the coincidence information, a control part 112 generates hardware-wise a control signal for switching an instruction processing sequence to the next instruction of a repeat block in the last repeat processing of the repeat block.